

Notice of Allowability

Application No.

10/772,567

Examiner

Farhan M. Syed

Applicant(s)

RAIPURKAR ET AL.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/08/07.
2. ☒ The allowed claim(s) is/are 5-7 and 9-13.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

FMS
JEFFREY RAFFIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. Claims 5-7 and 9-13 are pending.
2. Applicant's amendments and arguments filed 08 January 2007 have been fully considered and are persuasive.

Election/Restrictions

3. This application is in condition for allowance except for the presence of claims 1-4 and 14-18 directed to a system for recovery of a database from dump files placed in a correct sequential order in a created Main Directory non-elected without traverse. Accordingly, claims 1-4 and 14-18 have been cancelled.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Alfred Kozak (Reg. No. 24,265) on 23 March 2007.

The application has been amended as follows:

Art Unit: 2165

5. (Currently Amended) A system for reducing time in a server-database network where various types of dump operations are categorized in a dump directory for automatic sequential selection to execute a recovery operation comprising:

(a) data storage means ~~(23)~~ for providing disk means ~~(23d)~~ for holding database files available for read-write access by a server means ~~(20)~~;

(b) means ~~(DMUTILITY-21)~~ to initiate and to enable operations with said disk means ~~(23d)~~ to create special sets of backup dump files on a tape storage means ~~(10T)~~, wherein said means ~~(b)~~ to initiate and create special sets of backup dump files includes:

(b1) means for creating a FULL dump file ~~D1~~ ~~(16)~~;

(b2) means for creating a set of ACCUMULATED dump files ~~(15,18)~~, ~~(A1,~~
~~A2)~~;

(b3) means for creating a set of INCREMENTAL dump files ~~(19,17)~~,
~~(11,12)~~;

(c) said tape storage means ~~(10T)~~ for holding said special set of backup dump files;

(d) means ~~(DumpDir Library-22)~~ for creating a Main Directory ~~(10M)~~ in a correct sequential order and which has a log of the special sets of backup dump files from said tape means ~~(10T)~~, said correct sequential order involving dumps which are accessed in the following order:

(i) a ~~the~~ most recent FULL DUMP;

(ii) a ~~the~~ most recent ACCUMULATED dump;

Art Unit: 2165

(iii) a ~~the~~ most recent set of INCREMENTAL dumps;

(e) recovery means ~~(21,22,30)~~ for selecting and placing said special sets of backup dump files into said disk means ~~(23d)~~ to establish an updated and operable database.

6. (Currently amended) The system of claim 5 wherein said means (d) ~~(DumpDir Library 22)~~ additionally creates a Disk Directory ~~(32)~~ which provides detailed disk sub directories ~~(24, 25, 26, 27, 28)~~ of said dump files for each dump logged in said Main Directory ~~(10M)~~.

7. (Currently amended) The system of claim 6 wherein said recovery means ~~(21,22,30)~~ utilizes said sub-directories ~~(24, 25, 26, 27, 28)~~ for restoring updated data files in said disk means ~~(23d)~~.

9. (Currently amended) The system of claim 6 wherein said disk sub-directories of each dump logged in said Main Directory ~~(10M)~~ include:

(i) a Full Dump ~~24 (D1D)~~;

(ii) ACCUMULATED dumps ~~(A1D) (25) and (A2D) (26)~~;

(iii) INCREMENTAL dumps ~~(I1D) (27) and (I2D) (28)~~.

Art Unit: 2165

10. (Currently amended) The system of claim 6 wherein said recovery means (e) includes:

(e1) SYSTEM RECOVERY program means ~~(30)~~ to enable the production of an updated database including:

(e1a) said DUMP DIR Library means ~~(22)~~ for accessing said sets of dump files from said Main Directory ~~(10M)~~ and said Disk Directories ~~(32)~~ for conveyance to said recovery means ~~(30)~~;

(e1b) said means ~~(21)~~ ~~(DMUTILITY)~~ for conveying said sets of dump files from said Disk Directories ~~(24, 25, 26, 27, 28)~~ to said recovery means ~~(30)~~;

(e1c) means ~~(30)~~ for transporting said dump files to said recovery disk ~~(23d)~~ to provide an updated database.

11. (Currently amended) The system of Claim 9 wherein said dumps (i), (ii), and (iii) are placed in the correct sequential order so that the said recovery means ~~(30)~~ will automatically restore said database in the correct sequential order onto disk means ~~(23d)~~.

Allowable Subject Matter

5. Claims 5-7 and 9-13 have been renumbered as claims 1-8 and allowed over the prior art of record.

Reason for Allowance

6. The following is an examiner's statement of reasons for allowance: The closest prior art of record (Tam, U.S. Patent No. 6,411,969) does not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim), means for creating a Main Directory in a correct sequential order and which has a log of the special sets of backup dump files from said tape means, said correct sequential order involving dumps which are accessed in the following order: (i) a most recent FULL DUMP; (ii) a most recent ACCUMULATED dump; and (iii) a most recent set of INCREMENTAL dumps.

The dependent claims, being further limiting to the independent claims, definite and enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Farhan M. Syed whose telephone number is 571-272-7191. The examiner can normally be reached on 8:30AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FMS